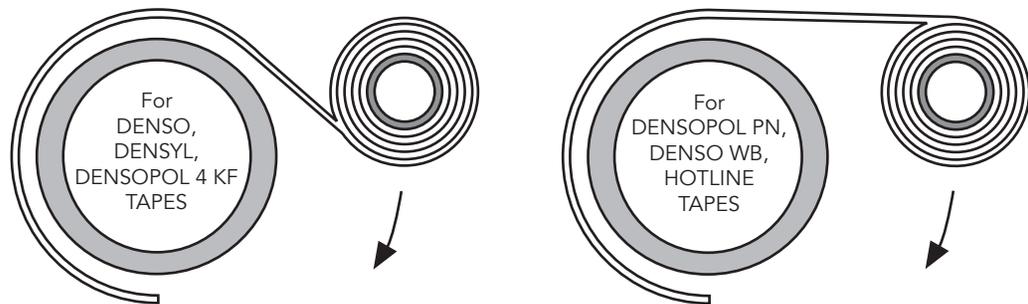


Covering: DENSO TAPE™, DENSO LT™ TAPE, DENSYL™ TAPES, DENSO HOTLINE™ TAPE, DENSOPOL 4 KF™ TAPE, DENSOPOL PN™ TAPE, DENSO WB™ TAPE

## INSTRUCTIONS FOR USE

- Use:** For the protection of pipes, fittings and similar structures from corrosion above ground, buried or immersed. To protect the metal structure from the environment the tapes must cover the entire surface.
- Surface Preparation:** Surfaces must be clean and dry. Remove all loose rust, scale and flaking coatings by scraping, wire brushing or blast cleaning. Minimum surface preparation for DENSO HOTLINE™ TAPE is St2, thorough hand/power tool cleaning.
- Priming:** For small diameter pipes and fittings (e.g. service pipes) apply DENSO PASTE™ by gloved hand in a thin layer over the entire surface including threads, crevices and pitted areas. For larger areas, brush DENSO™ PRIMING SOLUTION over the entire area. DENSO HOTLINE TAPE does not require a primer.

### Diagram of the correct application procedure



- Application**
- (a) Pipes, Rods and Cables:** Select as wide a width of tape as practical, e.g. 75mm wide for 75mm diameter pipe. For buried or immersed applications apply tapes with 55% overlap to give double thickness. For above ground use overlap tapes by 15mm for widths up to 150mm and 25mm for wider tapes. Press the end of the tape firmly onto the pipe and unroll the tape around the pipe spirally, overlapping itself (see diagram). Apply sufficient tension to conform the tape to the surface without gaps. Do not overstretch. Start a new roll by overlapping the ends by one tape width. Press down all folds and smooth the entire area with special attention to the overlaps.
- (b) Butt Welded Joints:** As (a) but apply one circumferential turn around the pipe with half the tape width covering the existing pipe coating and half on the bare joint area. Continue to apply the tape spirally with 55% overlap across the joint area until it overlaps the existing pipe coatings by half its width. Complete the wrapping with one circumferential turn.
- (c) Elbows, Tees, Flanges etc:** Carefully bandage the fitting, pressing down folds and avoiding air gaps. Cover the whole fitting with at least two layers continuing onto the pipe coating either side. At large changes of diameter, bolts and internal angles, make the profile more suitable for wrapping by applying DENSYL™ MASTIC as a fillet at angles and around bolts. Wrap the profiled joint as above ensuring the tape does not bridge gaps. For elevated temperatures DENSOSEAL 16A™ mastic is recommended.
- (d) Coating Repairs:** Cut away and remove loose coatings from the damaged area and smooth or chamfer edges. Prime the exposed metal. For thick coatings, build up the depression with patches of tape or DENSYL MASTIC or DENSO™ PROFILING MASTIC. Wrap the section of pipe as (a) continuing at least 50mm either side of the damaged area.



# DENSO PETROLATUM TAPES

Covering: DENSO TAPE™, DENSO LT™ TAPE, DENSYL™ TAPES, DENSO HOTLINE™ TAPE, DENSOPOL 4 KF™ TAPE, DENSOPOL PN™ TAPE, DENSO WB™ TAPE

## INSTRUCTIONS FOR USE

- Overwrapping:** For further protection, a separate overwrap of DENSO™ PVC SELF ADHESIVE TAPE, or DENSOPOL 80™ TAPE may be applied spirally over the petrolatum tape. Consult our Technical Sales Department for advice on selection and application of overwraps.
- Inspection:** Ensure that the entire surface is covered with no gaps or air pockets. DENSO TAPE™ and DENSYL TAPES cannot be holiday tested due to soft surface. However, DENSO TAPE or DENSYL TAPE with a DENSO PVC SELF-ADHESIVE TAPE outerwrap applied with a 55% overlap can be holiday tested to 10kV. DENSOPOL 4 KF™ TAPE, DENSOPOL PN™ TAPE and DENSO WB™ TAPE can be holiday tested at 5kV for single thickness and 10kV for double thickness. For further advice on using these products consult the Technical Sales Department.
- Storage:** Store correct way up in original packaging. Store in a cool dry place away from heat and open flames.
- Transport:** No special precautions necessary. Not classified as hazardous for transport.
- Handling:** Wear gloves to avoid contact with skin.  
Wash thoroughly after use and before work breaks to remove compound from the skin.  
Careful attention should be given to personal hygiene.  
Change and clean soiled clothing
- Action in case of:**
- Fire:** Extinguish with dry powder, carbon dioxide or chemical foam.  
Air breathing equipment may be necessary in large fires.
- Skin contact:** Wash with warm water and mild soap. Do not use solvents.
- Safety Data** Consult SDS for further information.
- Disposal:** Please minimise or avoid waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

### IMPORTANT:

Winn & Coales (Denso) Ltd pursue a policy to develop and continually improve all of our products and therefore information given in these instructions for use is intended as a general guide and does not constitute a warranty, specification or risk assessment. Instructions for use are intended to provide sufficiently detailed information to achieve successful installation in normal circumstances. These guidelines may not cover all circumstances; however, our sales personnel are committed to assisting the user in establishing the suitability of the product for its intended purpose and additional specific information, advice and training (including Safety Data Sheets) is available. It is strongly recommended that installation is conducted with due regard to Health and Safety using a safe system of work, including risk assessments and method statements, in accordance with relevant local statutes and regulations. Equipment used for installation must be suitable for the intended use, maintained in a safe condition, inspected for signs of deterioration, and used by competent personnel. Any conflict between these guidelines and the specific project specifications must be resolved by the user before work commences. All rights reserved.



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